

WHAT IS CLAIMED IS:

1. An elastomeric article comprising:
an ultra-thin outer layer comprising an acrylic-based
polymer, said ultra-thin outer layer being between about 0.25 and about
5 8.0 microns thick; and
a base polymer layer adjacent and attached to said ultra-
thin outer layer, said base polymer comprising an elastomeric material
which has been coagulated on said ultra-thin outer layer.
2. The elastomeric article of claim 1, wherein said elastomeric
10 material is selected from the group consisting of a natural latex rubber
and a synthetic elastomer.
3. The elastomeric article of claim 1, wherein said ultra-thin
outer layer is between about 0.5 and about 1.5 microns thick.
4. The elastomeric article of claim 1, wherein said base
15 polymer layer is between about 3 mils and about 5.5 mils thick.
5. The elastomeric article of claim 1, wherein said elastomeric
article is a glove.
6. The elastomeric article of claim 5, wherein said glove
further comprises an inner layer, said inner layer being attached and
20 adjacent to said base polymer layer such that said base polymer layer is
between said ultra-thin outer layer and said inner layer.
7. The elastomeric article of claim 1, wherein said elastomeric
material has been coagulated through contact of said elastomeric

material with a coagulant composition, said coagulant composition being applied to said ultra-thin outer layer between said ultra-thin outer layer and said base polymer layer.

5 8. The elastomeric article of claim 7, wherein said coagulant composition comprises calcium nitrate.

9. The elastomeric article of claim 1, wherein the article is not chlorinated.

10. A glove comprising:
an ultra-thin gripping layer comprising an acrylic-based
10 polymer, said ultra-thin gripping layer being between about 0.25 and about 8.0 microns thick; and
a base polymer layer, said base polymer layer comprising an elastomeric material selected from the group consisting of a natural latex rubber and a synthetic elastomer, said elastomeric material being
15 coagulated onto said ultra-thin gripping layer through contact of said elastomeric material with a coagulant composition, said coagulant composition being applied to said ultra-thin gripping layer between said ultra-thin gripping layer and said base polymer layer.

20 11. The glove of claim 10, further comprising a donning layer adjacent to and attached to said base polymer layer such that said base polymer layer is between said ultra-thin gripping layer and said donning layer.

12. The glove of claim 10, wherein said ultra-thin gripping layer is between about 0.5 and about 5.0 microns thick.

13. The glove of claim 10, wherein said base polymer layer is between about 3 mils and about 5.5 mils thick.

5 14. The glove of claim 10, wherein said coagulant composition comprises calcium nitrate.

15. The glove of claim 10, wherein said glove is a powder free glove.

16. The glove of claim 10, wherein the glove is not chlorinated.

10 17. The glove of claim 10, wherein the base polymer layer comprises a natural latex rubber.

18. The glove of claim 10, wherein the base polymer layer is a nitrile polymer.

19. A process for producing a glove comprising:

15 forming an ultra-thin gripping layer comprising an acrylic-based polymer on a glove-shaped former, said ultra-thin gripping layer being between about 0.25 and about 8.0 microns thick;

contacting said ultra-thin gripping layer with a coagulant composition; and

20 forming a base polymer layer on said ultra-thin gripping layer, said base polymer layer comprising an elastomeric material, said elastomeric material coagulating on said ultra-thin gripping layer upon contact of said elastomeric material with said coagulant composition.

20. The process of claim 19, further comprising forming a donning layer on said base polymer layer.

21. The process of claim 19, wherein said acrylic-based polymer is heated to a temperature of between about 35°C and about 50°C prior to forming said ultra-thin gripping layer.

22. The process of claim 19, wherein said base polymer layer is formed by immersing said glove-shaped former at least one time in a tank containing said elastomeric material.

23. The process of claim 22, wherein said base polymer layer is formed by immersing said glove-shaped former at least twice in a tank containing said elastomeric material.

24. The process of claim 19, wherein said base polymer layer is between about 3 and about 5.5 mils thick.

25. The process of claim 19, wherein the base polymer layer comprises a natural latex rubber.

26. The process of claim 19, wherein the base polymer layer comprises a nitrile polymer.

27. The process of claim 19, wherein the ultra-thin gripping layer is formed by dipping the former into an emulsion containing the acrylic-based polymer.

28. The process of claim 27, wherein the emulsion containing the acrylic-based polymer also contains a surfactant having an HLB between about 7 and about 11.